Figure 1

30—40 Å

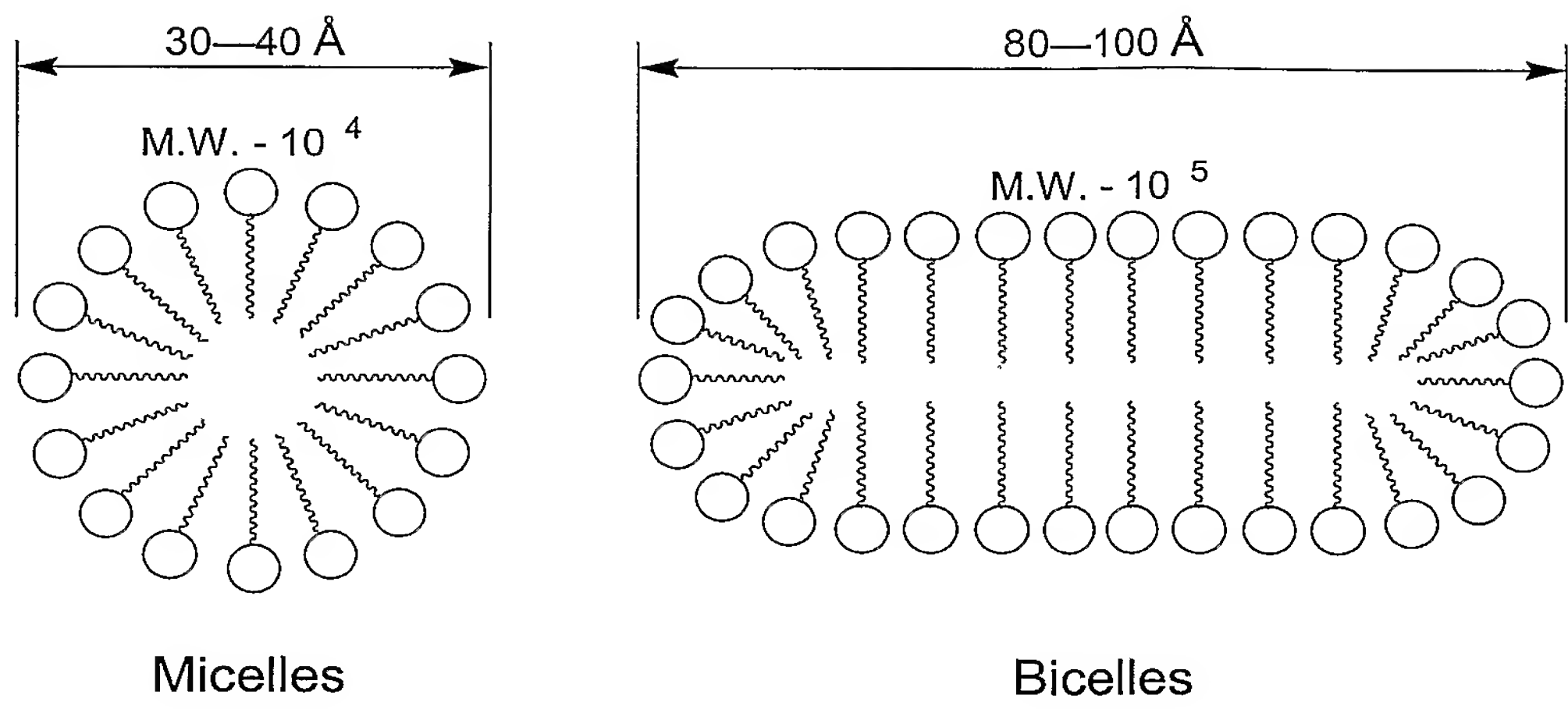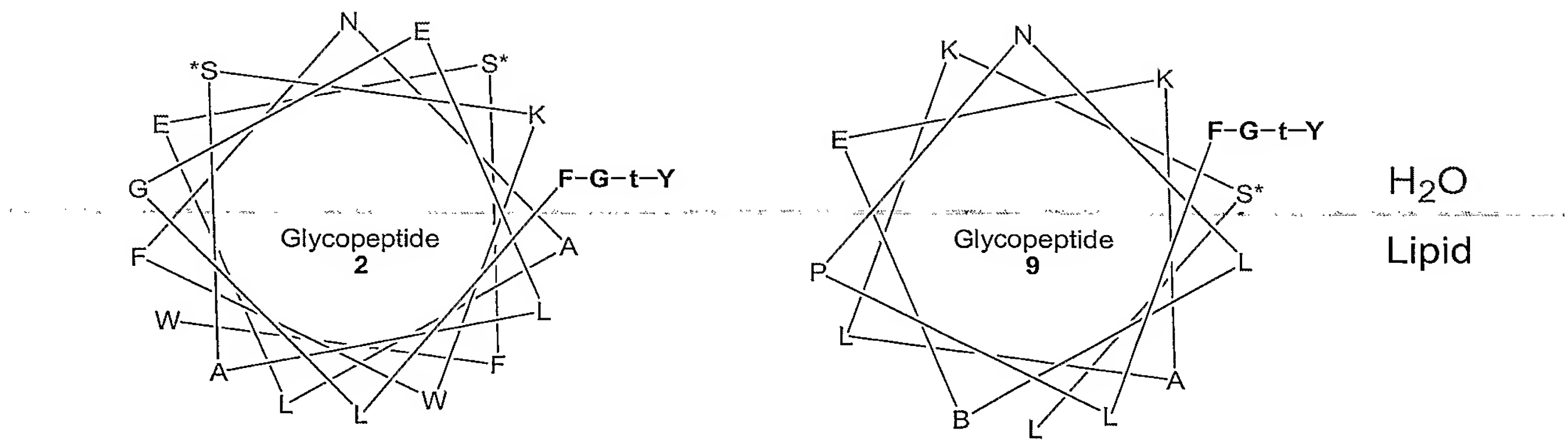M.W. - 10^4

80—100 Å

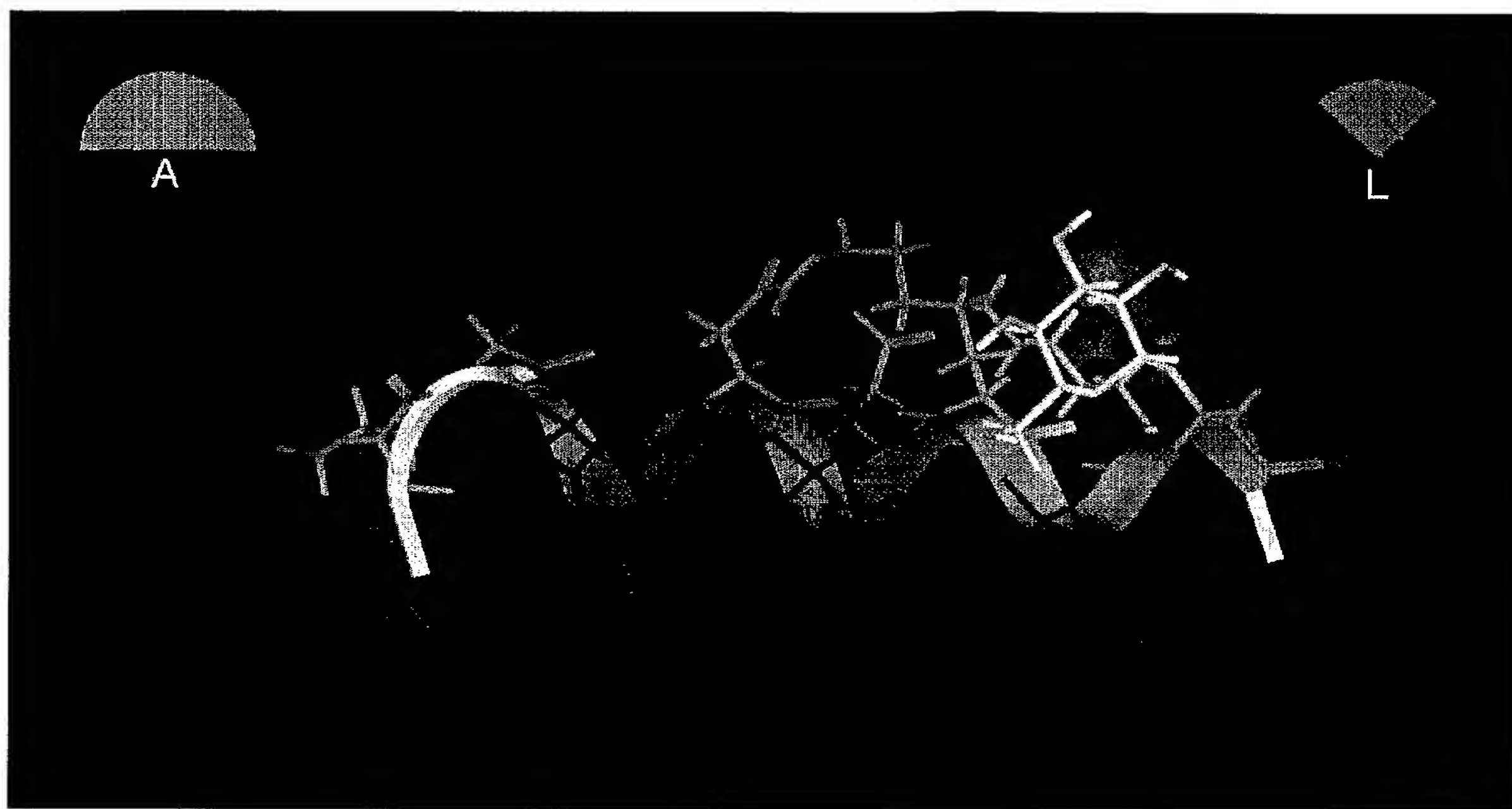M.W. - 10^5
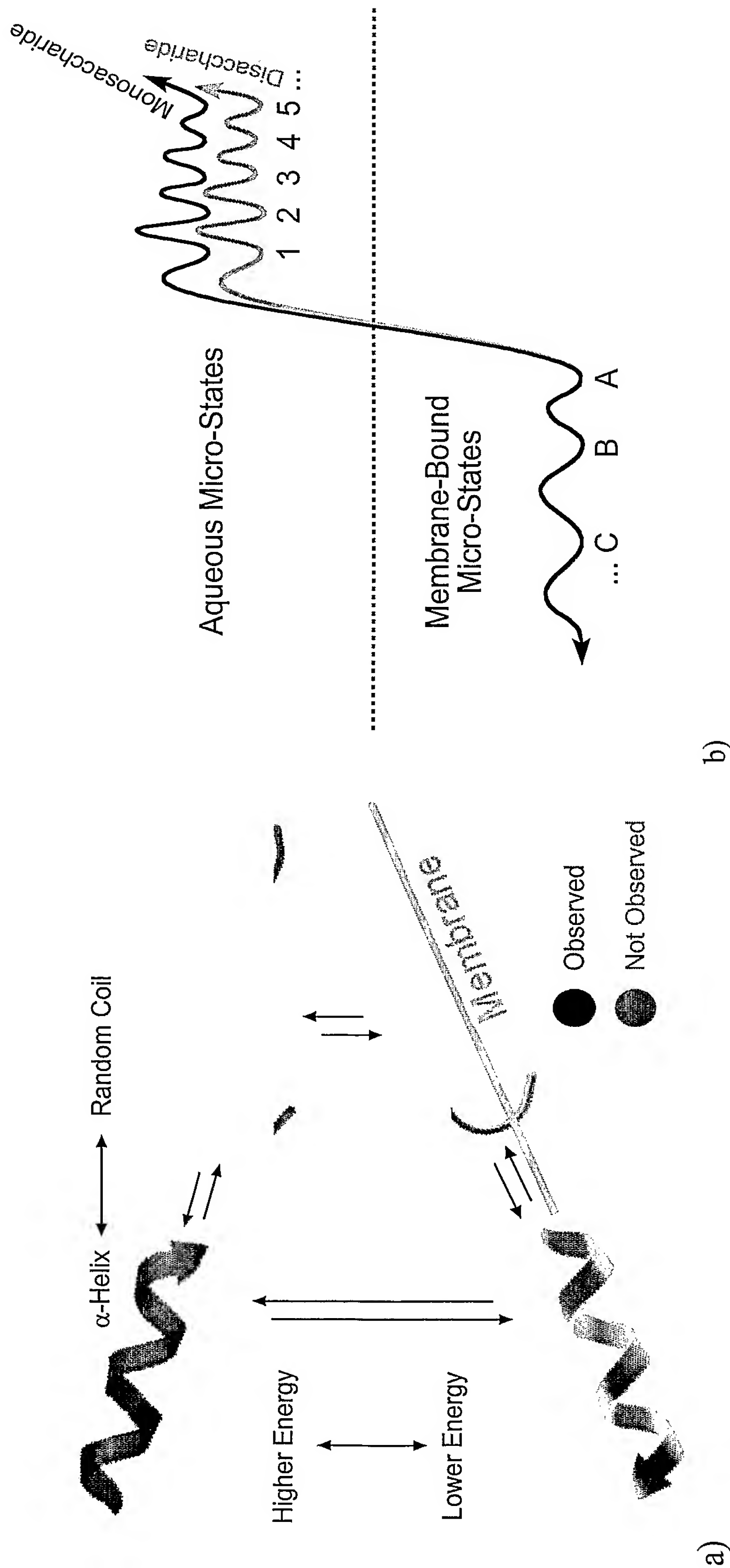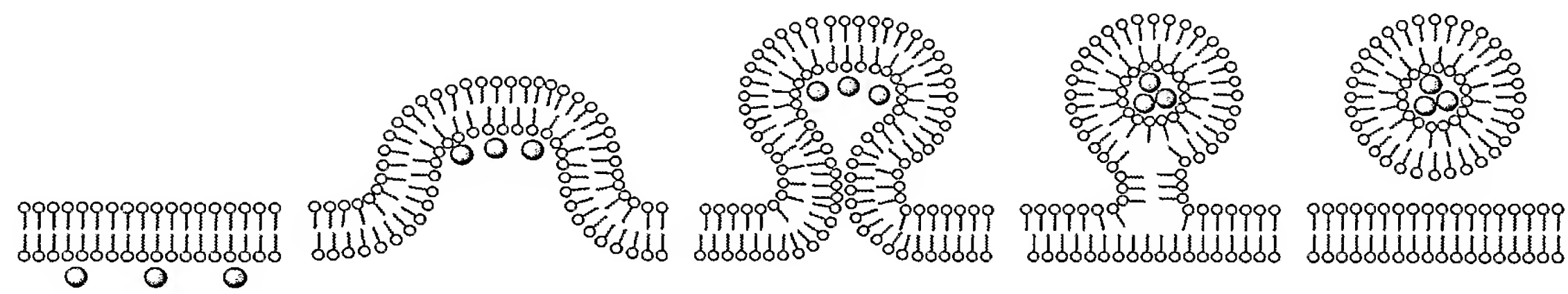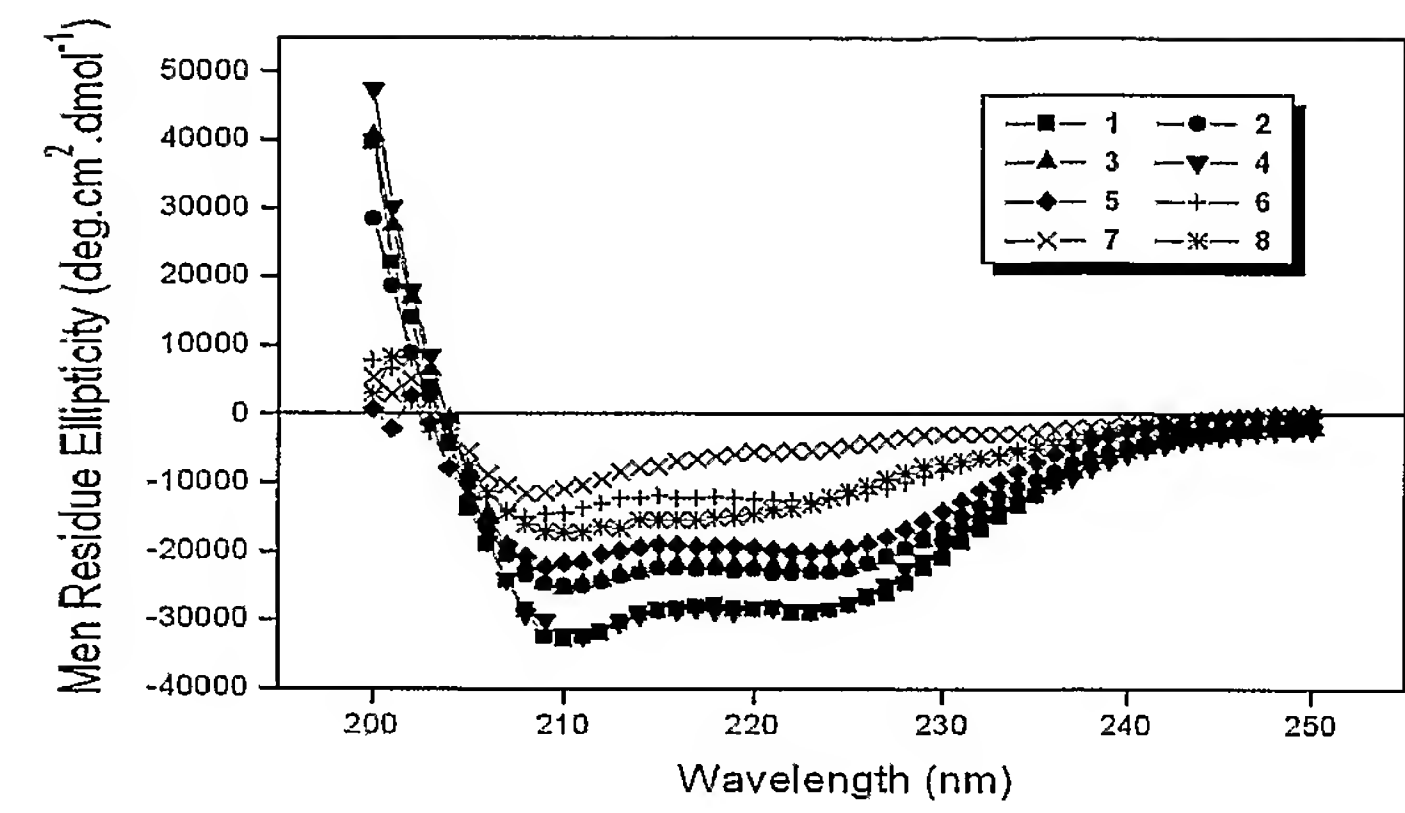
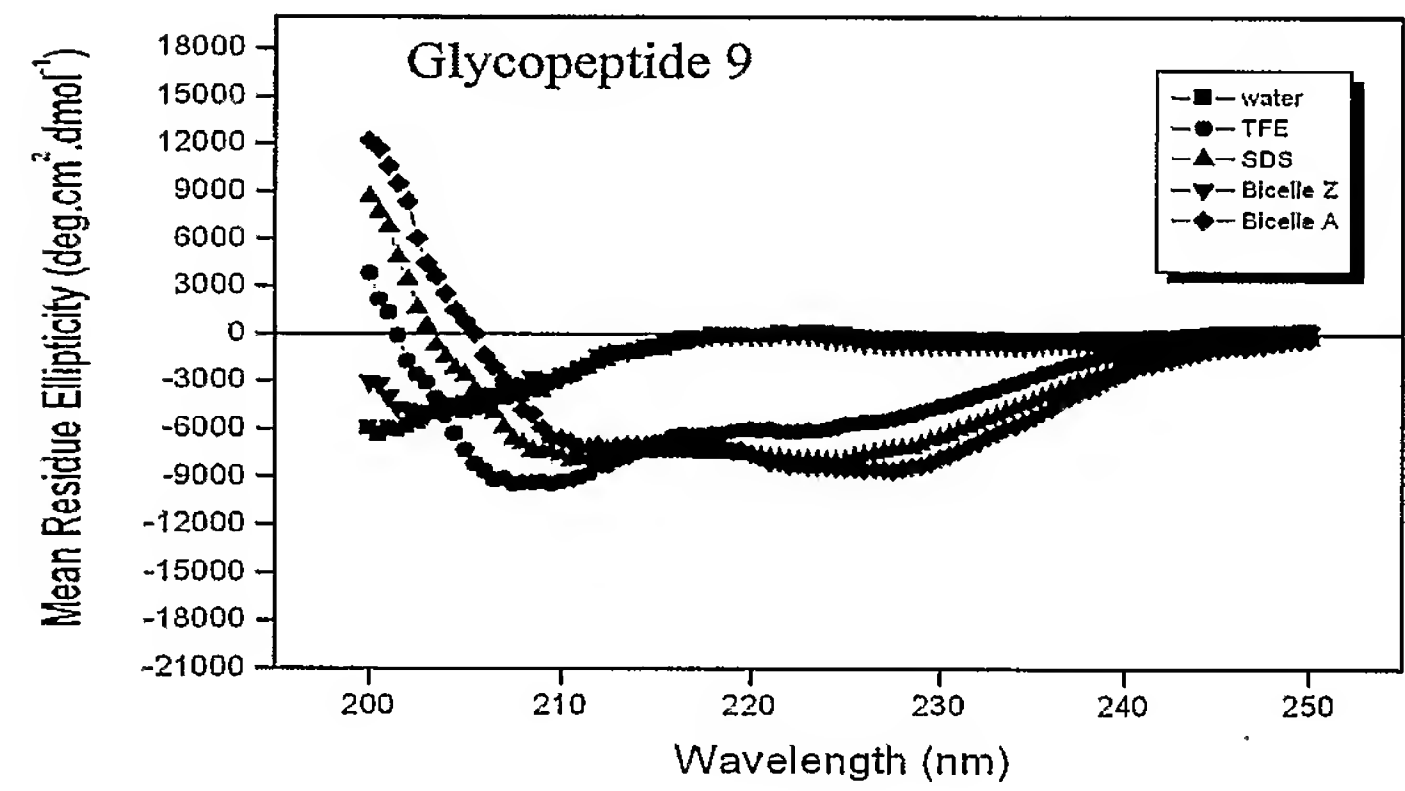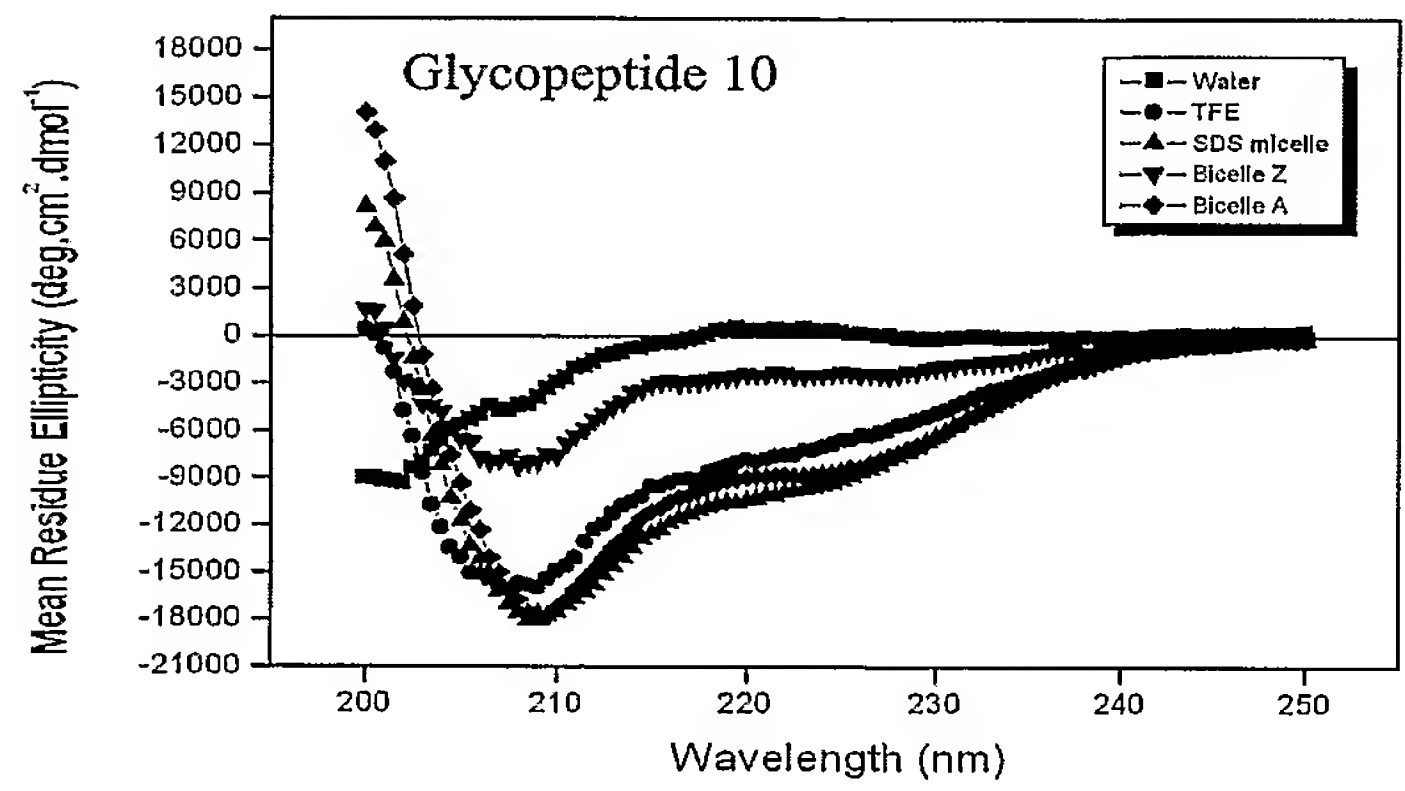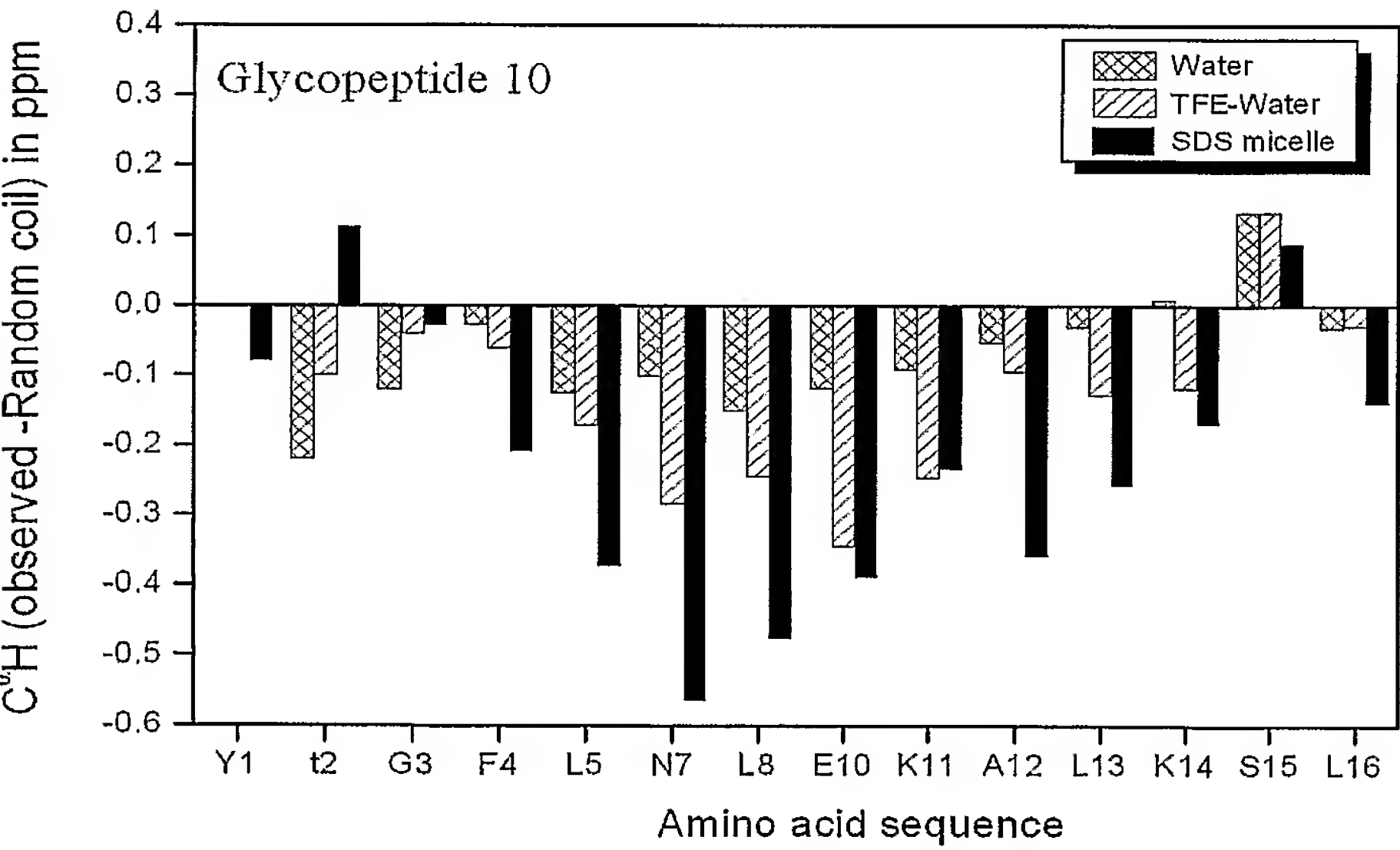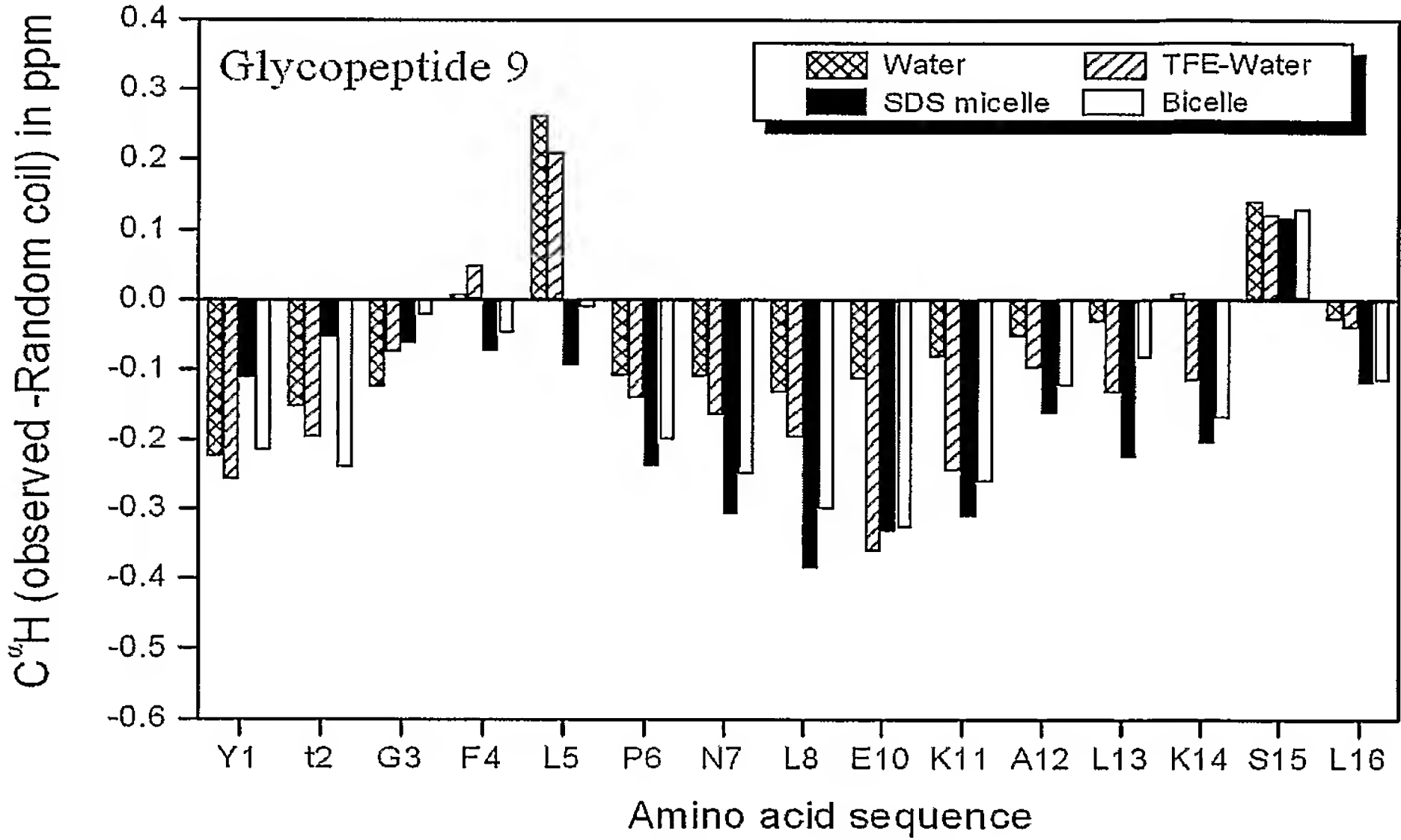Micelles   Bicelles

Figure 2

Figure 3

Figure 4

Figure 5

Figure 6

a)

b)

c)

Figure 7

Figure 8

Figure 9


```
        1           5            10          15
  9    Y-t-G-F-L-P-N-L-B-E-K-A-L-K-S-L
                                        βDGlc
dαN(i, i+1)  ▬▬▬▬▬      ▬▬▬▬  ▬▬▬▬▬▬▬▬
dNN(i, i+1)   ▬▬▬▬    ▬▬▬▬▬▬▬▬▬▬▬▬▬
dβN(i, i+1)   ▬  ▬     ▬▬▬▬▬▬▬▬▬▬▬▬
```

```
        1           5             10          15
  10   Y-t-G-F-L-βA-N-L-B-E-K-A-L-K-S-L
                                         βDGlc
dαN(i, i+1)  ▬▬▬▬▬▬▬▬    ▬▬▬▬▬▬▬▬
dNN(i, i+1)   ▬▬▬▬▬    ▬▬▬▬▬▬▬▬▬▬
dβN(i, i+1)   ▬  ▬      ▬▬▬▬▬▬▬▬▬▬
```

```
        1          5            10          15
  11   Y-t-G-F-L-G-G-N-L-B-E-K-A-L-K-S-L
                                         βDGlc
dαN(i, i+1)  ▬▬▬▬▬▬▬    ▬▬▬▬▬▬▬▬
dNN(i, i+1)    ▬▬▬▬▬▬▬▬▬▬▬▬▬
dβN(i, i+1)   ▬  ▬      ▬▬▬▬▬▬▬▬▬
```

```
        1          5            10          15
  12   Y-t-G-F-L-P-N-L-B-E-K-A-L-K-S-L
                                        βDLac
dαN(i, i+1)  ▬▬▬▬      ▬▬▬▬  ▬▬▬▬▬▬▬
dNN(i, i+1)   ▬▬▬▬     ▬▬▬▬▬▬▬▬▬▬
dβN(i, i+1)   ▬  ▬      ▬▬▬▬▬▬▬▬▬▬
```

Figure 10

Figure 11

9   Y-t-G-F-L-P-N-L-B-E-K-A-L-K-S-L
                                          βDGlc
$d_{\alpha N}(i, i+1)$
$d_{NN}(i, i+1)$
$d_{\beta N}(i, i+1)$
$d_{\alpha N}(i, i+2)$
$d_{\alpha N}(i, i+3)$
$d_{\alpha N}(i, i+4)$
$d_{\alpha \beta}(i, i+3)$
$d_{NN}(i, i+2)$

10   Y-t-G-F-L-βA-N-L-B-E-K-A-L-K-S-L
                                          βDGlc
$d_{\alpha N}(i, i+1)$
$d_{NN}(i, i+1)$
$d_{\beta N}(i, i+1)$
$d_{\alpha N}(i, i+2)$
$d_{\alpha N}(i, i+3)$
$d_{\alpha N}(i, i+4)$
$d_{NN}(i, i+2)$

11   Y-t-G-F-L-G-G-N-L-B-E-K-A-L-K-S-L
                                          βDGlc
$d_{\alpha N}(i, i+1)$
$d_{NN}(i, i+1)$
$d_{\beta N}(i, i+1)$
$d_{\alpha N}(i, i+2)$
$d_{\alpha N}(i, i+3)$
$d_{\alpha N}(i, i+4)$
$d_{NN}(i, i+2)$

12   Y-t-G-F-L-P-N-L-B-E-K-A-L-K-S-L
                                          βDLac
$d_{\alpha N}(i, i+1)$
$d_{NN}(i, i+1)$
$d_{\beta N}(i, i+1)$
$d_{\alpha N}(i, i+2)$
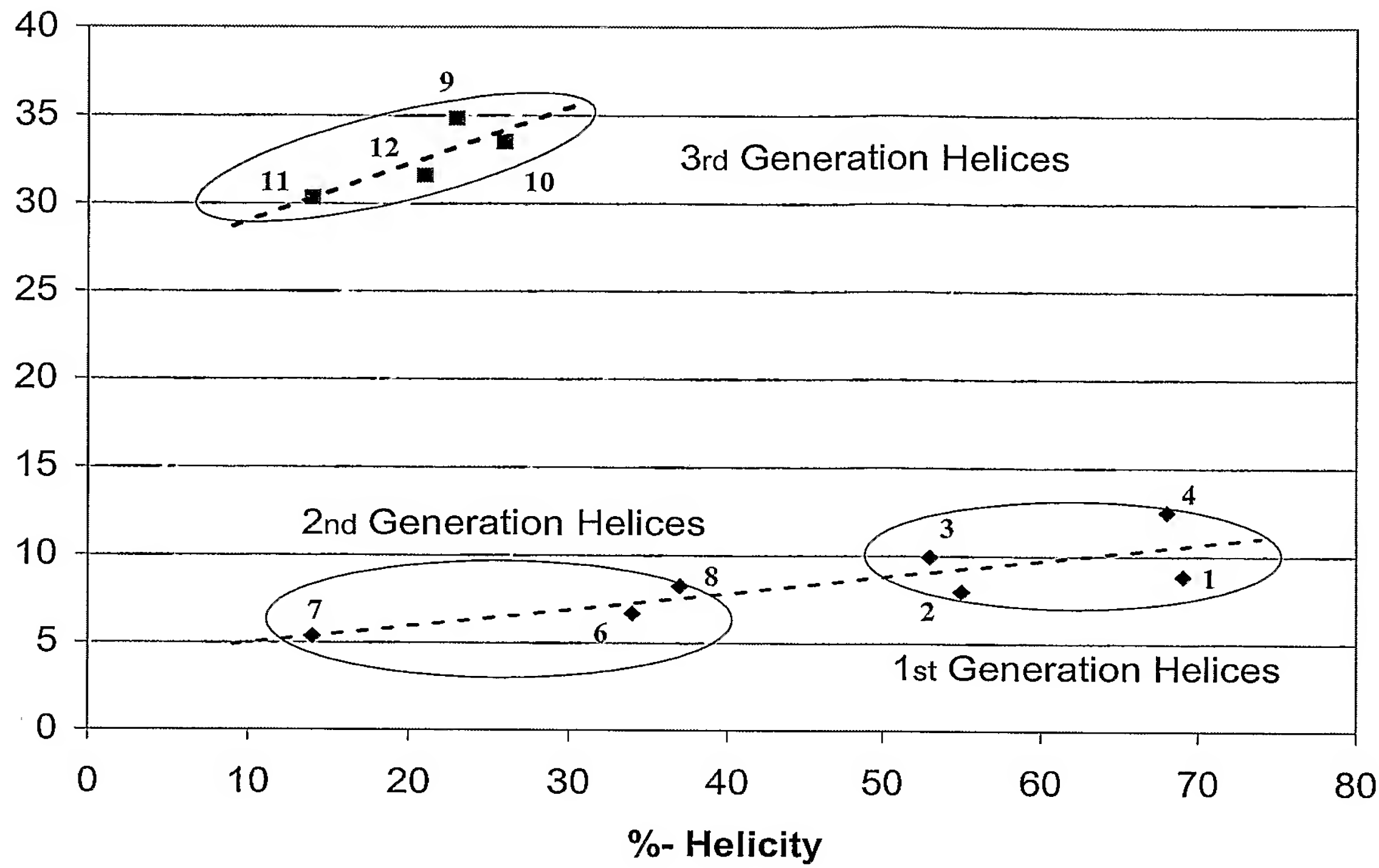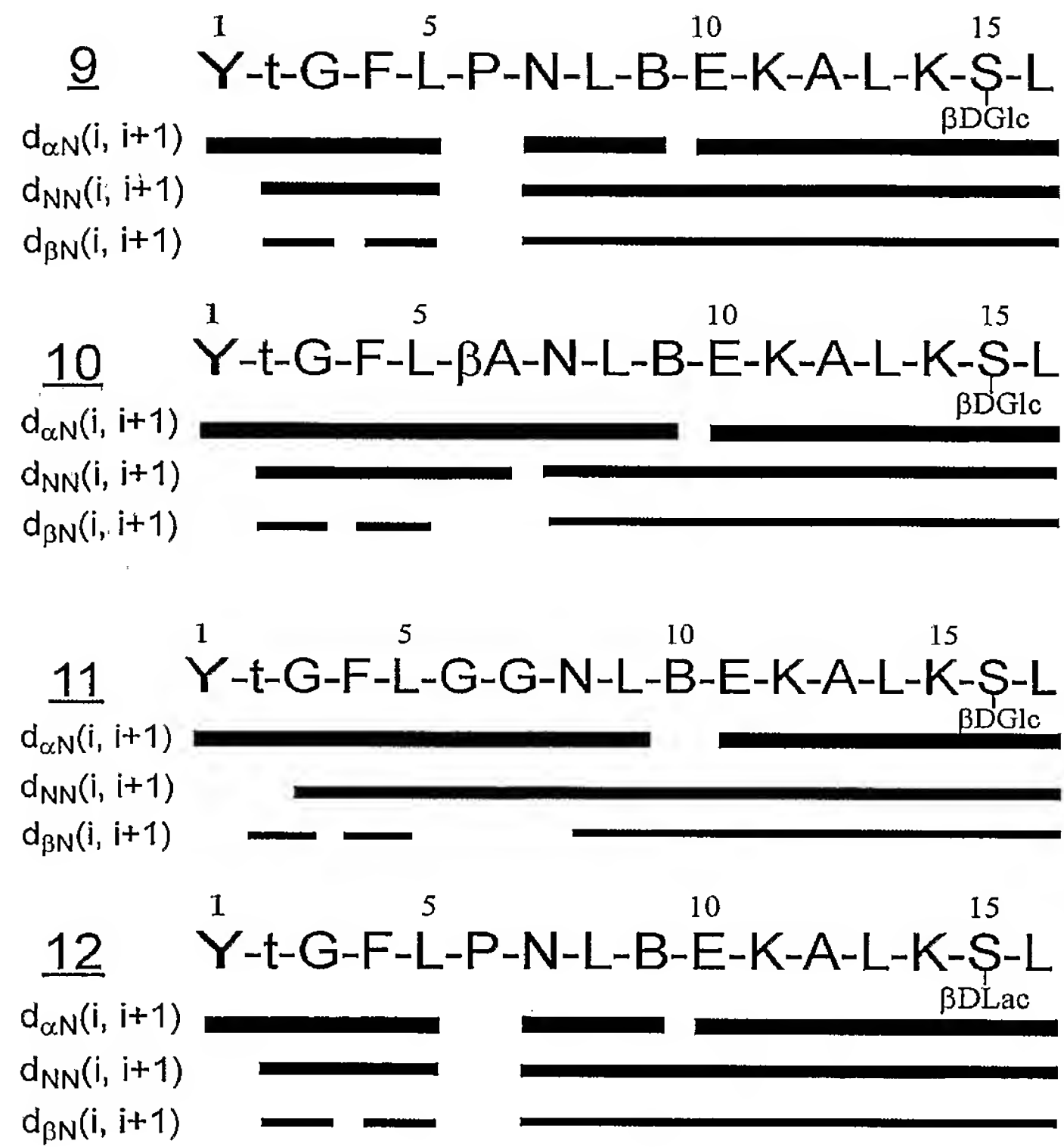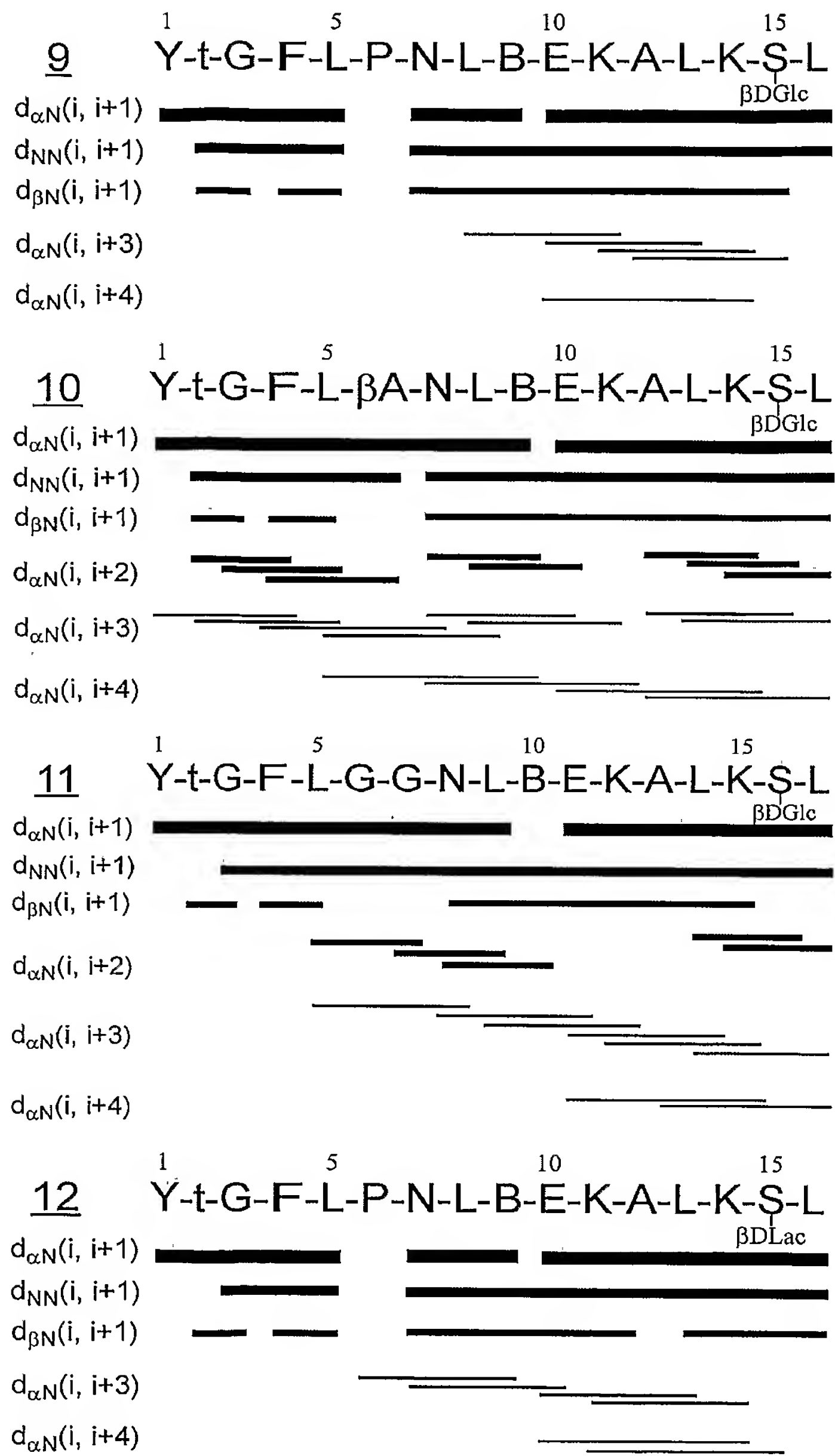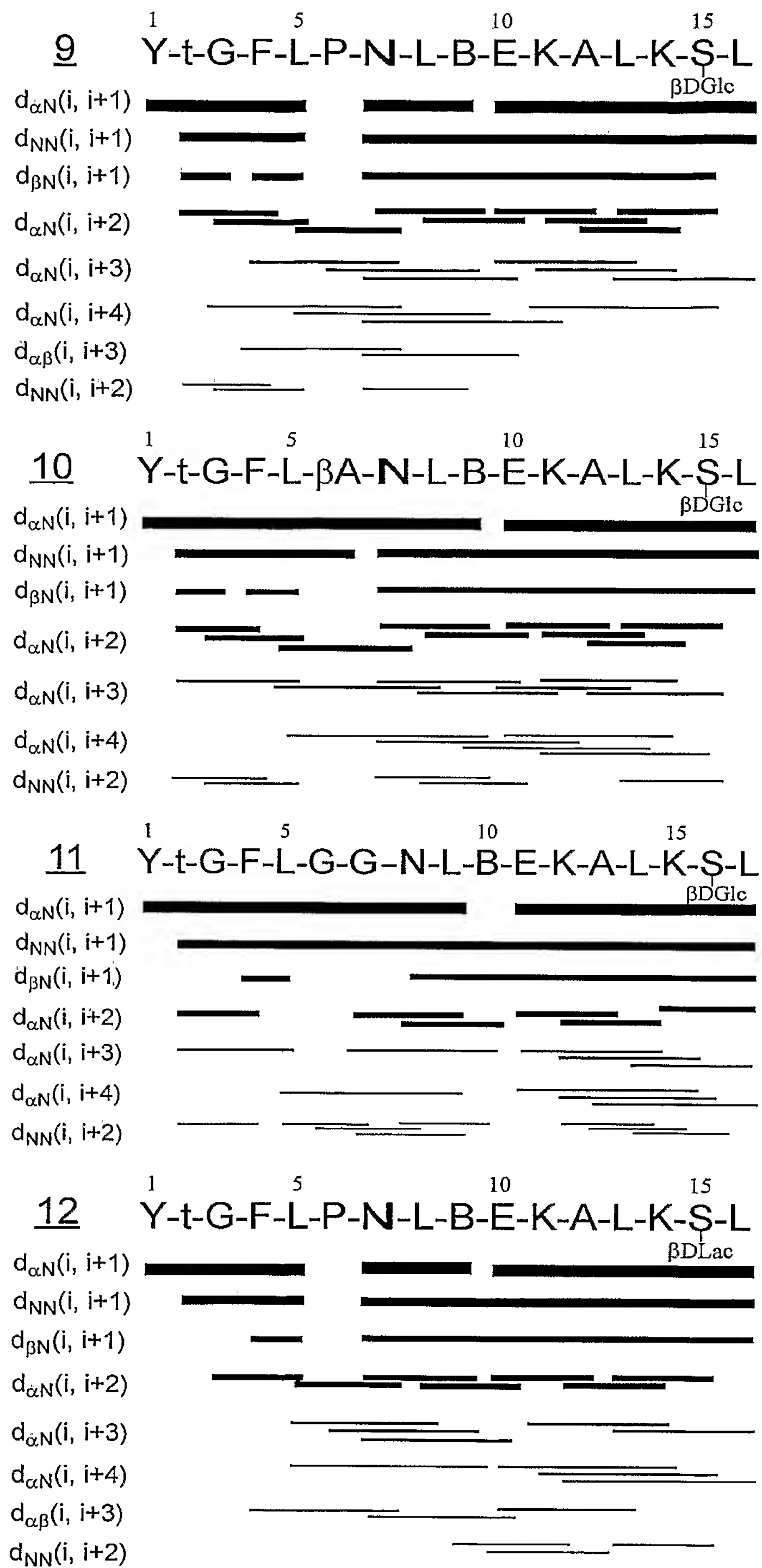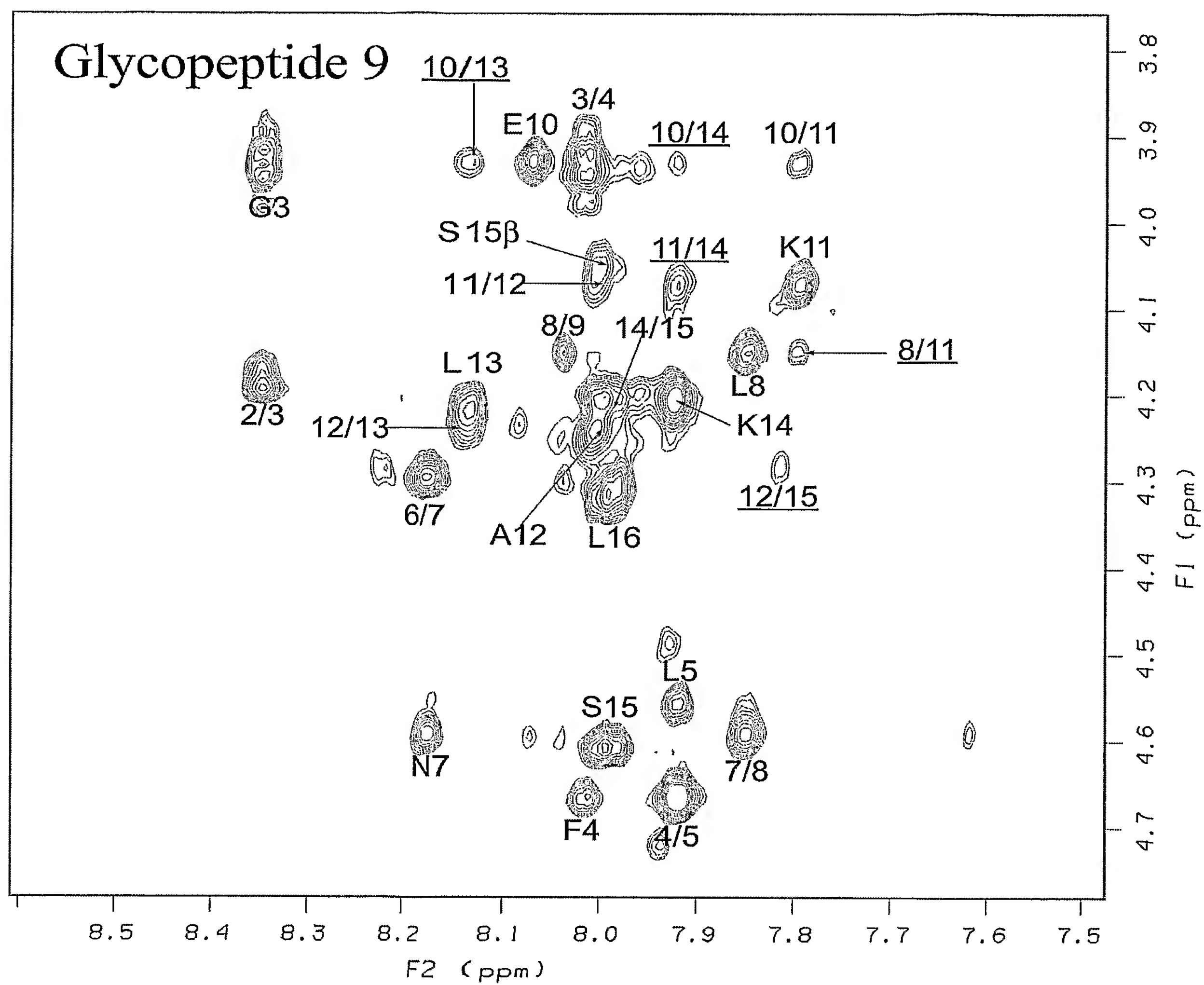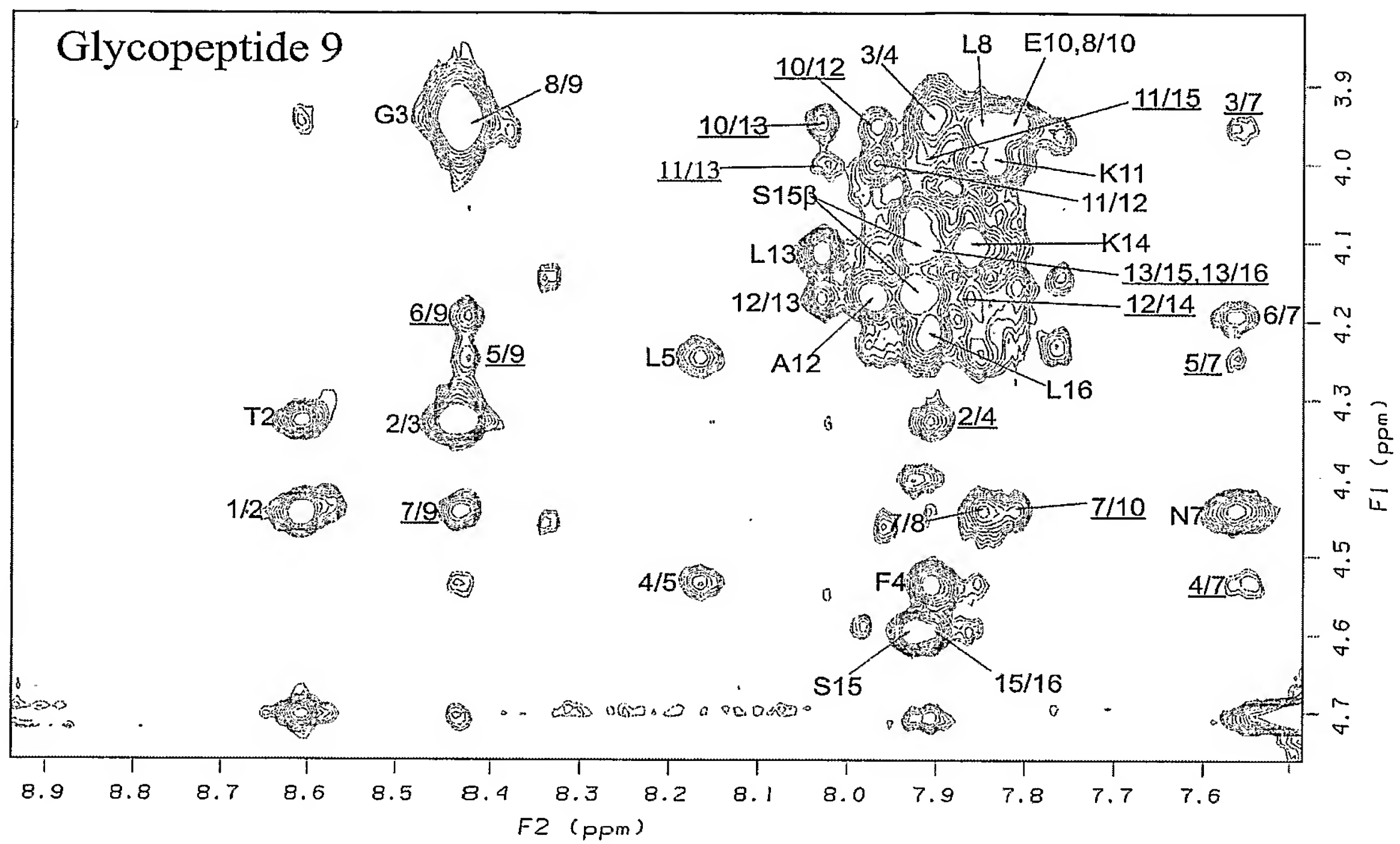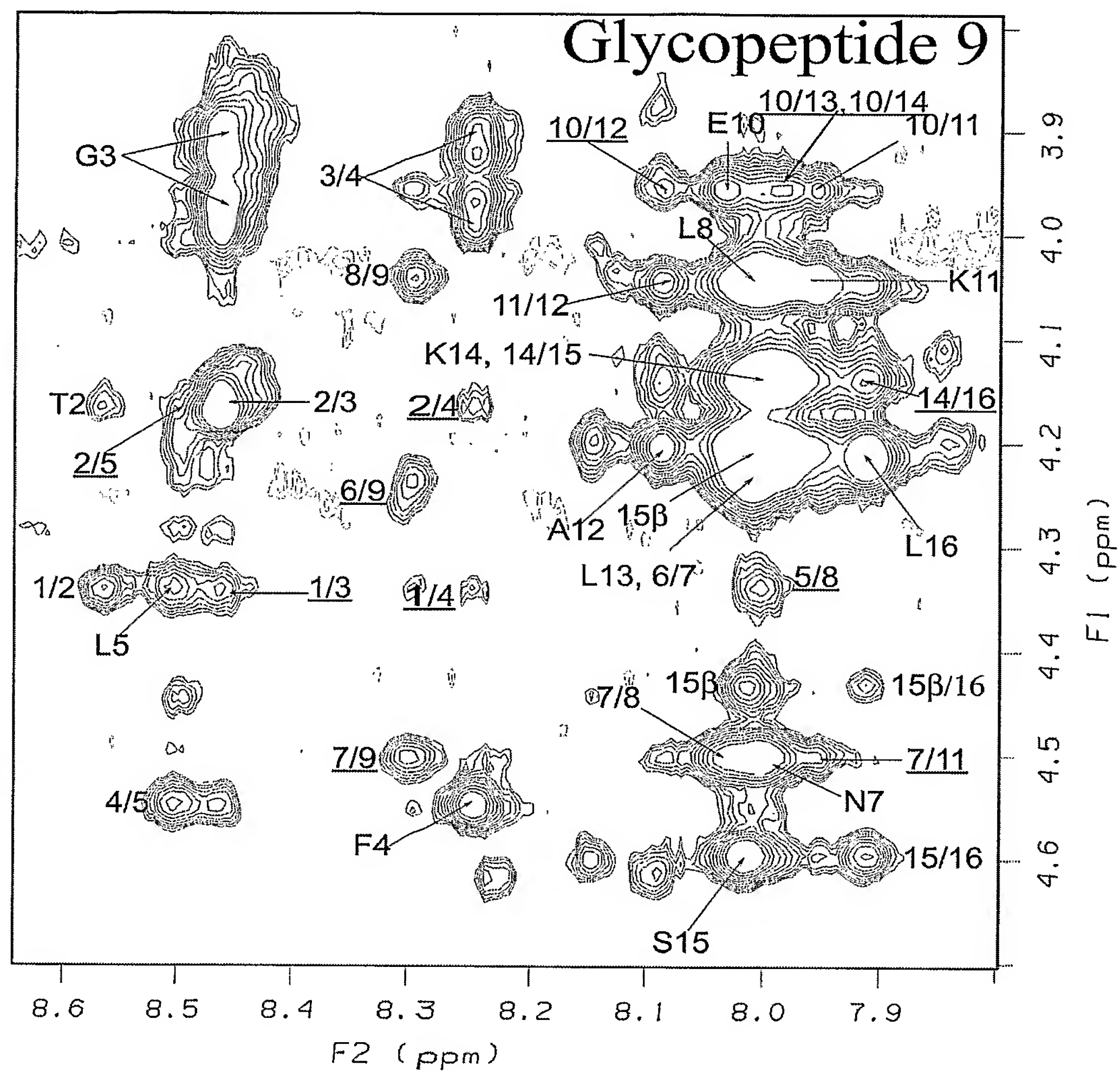$d_{\alpha N}(i, i+3)$
$d_{\alpha N}(i, i+4)$
$d_{\alpha \beta}(i, i+3)$
$d_{NN}(i, i+2)$

Figure 12

Figure 13

Figure 14

Figure 15

Glycopeptide 9

Figure 16

Water   TFE-Water   SDS micelle   Bicelle

Figure 17

Figure 18